

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
13 March 2003 (13.03.2003)

PCT

(10) International Publication Number  
WO 03/021534 A1

(51) International Patent Classification<sup>7</sup>: G06T 7/00, G01N 21/88, B05D 1/36

(21) International Application Number: PCT/AU02/01215

(22) International Filing Date:  
4 September 2002 (04.09.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PR 7491 4 September 2001 (04.09.2001) AU  
29297/02 28 March 2002 (28.03.2002) AU

(71) Applicants and

(72) Inventors: WAIN, John [AU/AU]; 34 Wimmera Crescent, Keilor Downs, Victoria 3038 (AU). DICKER, Murray [AU/AU]; 74-76 Charles Road, Lilydale, Victoria 3140 (AU).

(74) Agent: PHILLIPS ORMONDE & FITZPATRICK; 367 Collins Street, Melbourne, Victoria 3000 (AU).

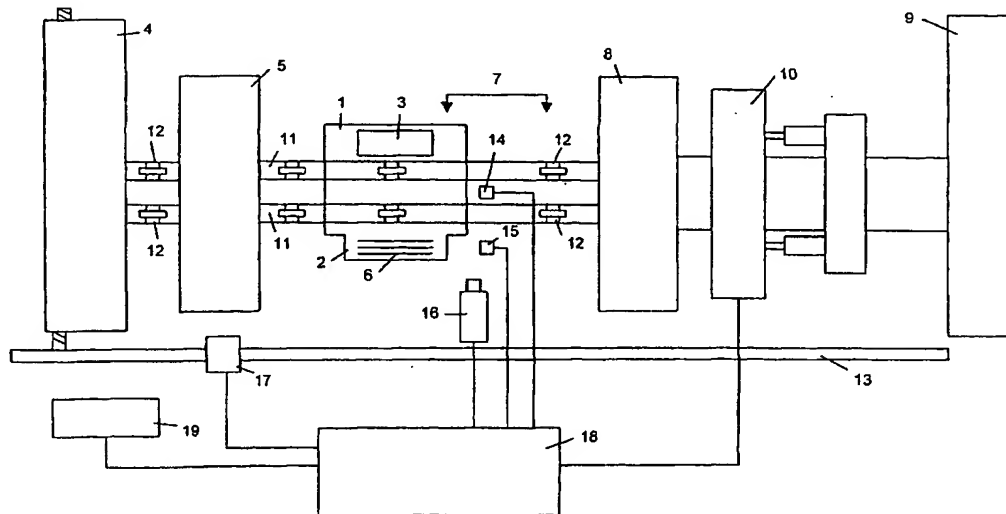
(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MONITORING AND REJECTION SYSTEM AND APPARATUS



(57) Abstract: A monitoring system checks for correct application of adhesive tracks (6) to e.g. the flap (2) of a cardboard blank (1) on a conveyor system. It includes sensors (14, 15) for detecting the position of the blank (1), and a central controller (18) for triggering a camera (16) to take one or more images of the blank (1) at suitable times after the blank (1) is detected, e.g. using the output of an encoder (17). The images may be taken at the expected start, middle and end of the tracks (6), and are analysed by the controller (8) to check for correct application of the tracks (6). The controller (8) and sensors (14, 15) can also be used to initially set the dimensions of the blank (1), and the controller (8) can also track a failed blank (1) and reject it later in the conveyor system.

BEST AVAILABLE COPY

WO 03/021534 A1